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| American Society of Mechanical Engineers Counterbalancing, Locomotive, by Lawford H. Fry   | 251§ 50* 400* 399* 4* 84 208* 238   | Baldwin power reverse gears. Baltimore & Ohio, Water-tube firebox boilers (Mech. Div.) Barthelemy, P. P. Air hoist for handling car wheels. Axle protector Split and cotter keys. Bearing, Side, Shock absorbing, Railway Products Co. Bearings, Car Journal, Reconditioning, by J. W. Lemon. Bearings, Roller Applications of For locomotive rods, by P. G. Withrow. For locomotives (Mech. Div.) SKF, for main and side rods on D. & H. locomotives, by B. W. Tavlor. Beck, C. E., Diesel engines for locomotives and cars Belt Ry. Chicago, 600-hp. Diesel-electric switchers Bethlehem auxiliary locomotive (L. V.).  | 327* 221 335* 372* 58* 287* 24* 291\$ 370‡ 224 277* 156 347* 288*   | Bridgeport Safety Emery Wheel Co., Abrasive cut-off machine.  Buckeye Portable Tool Co. Polishing and sanding tool. Shockless nut runner Budgeting locomotive department expenditures, by J. A. Anderson  Buffalo Forge Co., 16-in. ball-bearing drill press Buffer, Radial, with friction compression resistance, Franklin Railway Supply Co Bullard Co. Lathe, Hydro-shift vertical turret. Mult-Au-Matics, Type J. Bureau of Safety, Work of the. Burgess mufflers on Railplane. Burner, Internal, for making large pipe bends (C. M. St. P. & P.).  Burney, I. T., Lubrication of railroad car journals. Busch-Sulzer Bros. Diesel Engine Co.,  | 206* 127* 206* 84 205* 111* 68* 456* 39* 163 82* 130* 407*                                     |
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| American Society of Mechanical Engineers Counterbalancing, Locomotive, by Law- ford H. Fry   | 251\$ 50* 400* 399* 4* 84 208* 238  | Baldwin power reverse gears. Baltimore & Ohio, Water-tube firebox boilers (Mech. Div.) Barthelemy, P. P. Air hoist for handling car wheels. Axle protector Split and cotter keys. Bearing, Side, Shock absorbing, Railway Products Co. Bearings, Car Journal, Reconditioning, by J. W. Lemon. Bearings, Roller Applications of For locomotive rods. by P. G. Withrow. For locomotives (Mech. Div.) SKF, for main and side rods on D. & H. locomotives, by B. W. Tavlor Beck, C. E., Diesel engines for locomotives and cars Belt Ry. Chicago, 600-bp. Diesel-electric switchers Bethlehem auxiliary locomotive (L. V.). Bins, Material, at lathes. Blacksmiths' Assn. convention. Boilers, High pressure (Mech. Div.).  | 327* 221 335* 372* 58* 287* 24* 291\$ 370\$ 224 277* 156 347* 288* 133*                                     | Bridgeport Safety Emery Wheel Co., Abrasive cut-off machine.  Buckeye Portable Tool Co. Polishing and sanding tool. Shockless nut runner Budgeting locomotive department expenditures, by J. A. Anderson.  Buffalo Forge Co., 16-in. ball-bearing drill press Buffer, Radial, with friction compression resistance, Franklin Railway Supply Co Bullard Co. Lathe, Hydro-shift vertical turret. Mult-Au-Matics, Type J.  Bureau of Locomotive Inspection report. 168, Bureau of Safety, Work of the Burner, Internal, for making large pipe bends (C. M. St. P. & P.).  Burney, I. T., Lubrication of railroad car journals  Busch-Sulzer Bros-Diesel Engine Co., Diesel engines (Western Ry. Club). Bushings, Floating, in link trunnions (Maryland & Pennsylvania) Buschs, Floating rod, Finishing.  | 206* 127* 206* 84 205* 111* 68* 456* 39* 163 82* 130* 407*                                     |
| American Society of Mechanical Engineers Counterbalancing, Locomotive, by Law- ford H. Fry   | 251\$ 50* 400* 399* 4* 84 208* 238  26* 63 94 96  | Baldwin power reverse gears. Baltimore & Ohio, Water-tube firebox boilers (Mech. Div.) Barthelemy, P. P. Air hoist for handling car wheels. Axle protector Split and cotter keys. Bearing, Side, Shock absorbing, Railway Products Co. Bearings, Car Journal, Reconditioning, by J. W. Lemon. Bearings, Roller Applications of For locomotive rods, by P. G. Withrow. For locomotives (Mech. Div.) SKF, for main and side rods on D. & H. locomotives, by B. W. Tavlor. Beck, C. E., Diesel engines for locomotives and cars Belt Ry. Chicago, 600-hp. Diesel-electric switchers Bethlehem auxiliary locomotive (L. V.). Bins, Material, at lathes. Blacksmiths' Assn. convention. Boilers High pressure (Mech. Div.). Boilers, High pressure (Mech. Div.). Boilers, Locomotive, Making front rings and   | 327* 221 335* 372* 287* 24* 291\$ 3704 2277* 156 347* 288* 133* 382† 221                                    | Bridgeport Safety Emery Wheel Co., Abrasive cut-off machine.  Buckeye Portable Tool Co. Polishing and sanding tool. Shockless nut runner  Budgeting locomotive department expenditures, by J. A. Anderson.  Buffalo Forge Co., 16-in. ball-bearing drill press  Buffer, Radial, with friction compression resistance, Franklin Railway Supply Co  Bullard Co. Lathe, Hydro-shift vertical turret. Mult-Au-Matics, Type J. Bureau of Locomotive Inspection report. 168, Bureau of Safety, Work of the. Burgess mufflers on Railplane.  Burner, Internal, for making large pipe bends (C. M. St. P. & P.).  Burney, I. T., Lubrication of railroad car journals  Busch-Sulzer BrosDiesel Engine Co., Diesel engines (Western Ry. Club).  Bushings, Floating, in link trunnions (Maryland & Pennsylvania)  Bushings, Floating rod, Finishing.  Bushings, Floating rod, Finishing.  Bushings, Pins and, Ex-Cell-O Aircraft &  | 206* 127* 206* 84 205* 111* 68* 456* 39* 163 82* 130* 407* 156 29* 191* 337*                   |
| American Society of Mechanical Engineers Counterbalancing, Locomotive, by Law- ford H. Fry42*, 56\$, 79*, 91\$, Developing a better understanding Stresses in welded structures, by Everett Chapman American Steel Foundries Brakes, Simplex clasp, on Burlington Zephyr Davis multiple-wear wheel Analysis of equipment maintenance, by Lawrence Richard on   | 251\$ 50* 400* 399* 4* 84 208* 238 26* 63 94  | Baldwin power reverse gears. Baltimore & Ohio, Water-tube firebox boilers (Mech. Div.) Barthelemy, P. P. Air hoist for handling car wheels. Axle protector Split and cotter keys. Bearing, Side, Shock absorbing, Railway Products Co. Bearings, Car Journal. Reconditioning, by J. W. Lemon. Bearings, Roller Applications of For locomotive rods, by P. G. Withrow. For locomotives (Mech. Div.) SKF, for main and side rods on D. & H. locomotives, by B. W. Tavlor. Beck, C. E., Diesel engines for locomotives and cars Belt Ry. Chicago, 600-bp. Diesel-electric switchers Bethlehem auxiliary locomotive (L. V.) Bins, Material, at lathes. Blacksmiths' Assn. convention. Boiler Makers' Assn. convention. Boilers, High pressure (Mech. Div.) Boilers, High pressure (Mech. Div.)  | 327* 221 335* 372* 58* 287* 24* 291\$ 370‡ 224 277* 156 347* 288* 382† 3382† 3382† 417*                     | Bridgeport Safety Emery Wheel Co., Abrasive cut-off machine.  Buckeye Portable Tool Co. Polishing and sanding tool. Shockless nut runner Budgeting locomotive department expenditures, by J. A. Anderson.  Buffalo Forge Co., 16-in. ball-bearing drill press Buffer, Radial, with friction compression resistance, Franklin Railway Supply Co. Bullard Co. Lathe, Hydro-shift vertical turret. Mult-Au-Matics, Type J. Bureau of Safety, Work of the. Burgeas mufflers on Railplane. Burner, Internal, for making large pipe bends (C. M. St. P. & P.).  Burney, I. T., Lubrication of railroad car journals Busch-Sulzer Bros-Diesel Engine Co., Diesel envines (Western Ry. Club). Bushings, Floating, in link trunnions (Maryland & Pennsylvania) Bushings, Floating rod, Finishing. Bushings, Rod, Machining Bushings, Pins and, Ex-Cell-O Aircraft & Tool Corp.   | 206* 127* 206* 84 205* 111* 68* 456* 39* 103* 407* 156 29* 191* 337*                           |
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| American Society of Mechanical Engineers Counterbalancing, Locomotive, by Lawford H. Fry   | 2518<br>50*<br>400*<br>399*<br>4*<br>84<br>208*<br>238<br>26*<br>63<br>94<br>96<br>129                                    | Baldwin power reverse gears. Baltimore & Ohio, Water-tube firebox boilers (Mech. Div.) Barthelemy, P. P. Air hoist for handling car wheels. Axle protector Split and cotter keys. Bearing, Side, Shock absorbing, Railway Products Co. Bearings, Car Journal, Reconditioning, by J. W. Lemon. Bearings, Roller Applications of For locomotive rods. by P. G. Withrow. For locomotives (Mech. Div.) SKF, for main and side rods on D. & H. locomotives, by B. W. Tavlor. Beck, C. E., Diesel engines for locomotives and cars Belt Ry. Chicago, 600-bp. Diesel-electric switchers Bethlehem auxiliary locomotive (L. V.). Bins, Material, at lathes. Blacksmiths' Assn. convention. Boilers, High pressure (Mech. Div.). Boilers, High pressure (Mech. Div.). Boilers, Locomotive, Making front rings and doors for (Ill. Cen.). Books Air Conditioning, by James A. Moyer   | 327* 221 335* 372* 58* 287* 24* 291\$ 370\$ 224 277* 156 347* 288* 1332† 382† 382† 221 417* 260*            | Bridgeport Safety Emery Wheel Co., Abrasive cut-off machine.  Buckeye Portable Tool Co. Polishing and sanding tool. Shockless nut runner Budgeting locomotive department expenditures, by J. A. Anderson.  Buffalo Forge Co., 16-in. ball-bearing drill press Buffer, Radial, with friction compression resistance, Franklin Railway Supply Co Bullard Co. Lathe, Hydro-shift vertical turret. Mult-Au-Matics, Type J.  Bureau of Safety, Work of the. Burgeau of Safety, Work of the. Burner, Internal, for making large pipe bends (C. M. St. P. & P.)  Burney, I. T., Lubrication of railroad car journals Busch-Sulzer Bros-Diesel Engine Co., Diesel envines (Western Ry. Club). Bushings, Floating, in link trunnions (Maryland & Pennsylvania) Bushings, Floating rod, Finishing. Bushings, Rod, Machining Bushings, Pins and, Ex-Cell-O Aircraft & Tool Corp. Business, Fighting to get back.   | 206* 127* 206* 84 205* 111* 68* 456* 39* 103* 407* 156 29* 191* 337*                           |
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| American Society of Mechanical Engineers Counterbalancing, Locomotive, by Lawford H. Fry   | 2518<br>50*<br>400*<br>399*<br>4*<br>84<br>208*<br>238<br>26*<br>63<br>94<br>96<br>129<br>129                             | Baldwin power reverse gears. Baltimore & Ohio, Water-tube firebox boilers (Mech. Div.)  Barthelemy, P. P. Air hoist for handling car wheels. Axle protector Split and cotter keys.  Bearing, Side, Shock absorbing, Railway Products Co. Bearings, Car Journal, Reconditioning, by J. W. Lemon. Bearings, Roller Applications of For locomotive rods, by P. G. Withrow. For locomotives (Mech. Div.) SKF, for main and side rods on D. & H. locomotives, by B. W. Tavlor. Beck, C. E., Diesel engines for locomotives and cars Belt Ry. Chicago, 600-hp. Diesel-electric switchers Bethlehem auxiliary locomotive (L. V.). Bins, Material, at lathes. Blacksmiths' Assn. convention. Boilers, High pressure (Mech. Div.) Boilers, Locomotive, Making front rings and doors for (Ill. Cen.). Bolster end plate repairs (C. R. I. & P.). Books Air Conditioning, by James A. Moyer and Raymond U. Fits. A. S. M. E. Power Boiler Code.  | 327* 221 335* 372* 58* 287* 24* 291\$ 370\$ 224 277* 156 347* 288* 133* 382† 382† 221 417* 260*             | Bridgeport Safety Emery Wheel Co., Abrasive cut-off machine.  Buckeye Portable Tool Co. Polishing and sanding tool. Shockless nut runner Budgeting locomotive department expenditures, by J. A. Anderson.  Buffalo Forge Co., 16-in. ball-bearing drill press Buffer, Radial, with friction compression resistance, Franklin Railway Supply Co Bullard Co. Lathe, Hydro-shift vertical turret. Mult-Au-Matics, Type J  Bureau of Locomotive Inspection report. 168, Bureau of Locomotive Inspection report. 168, Bureau of Safety, Work of the. Burner, Internal, for making large pipe bends (C. M. St. P. & P.).  Burney, I. T., Lubrication of railroad car journals Busch-Sulzer Bros-Diesel Engine Co., Diesel engines (Western Ry. Club). Bushings, Floating, in link trunnions (Maryland & Pennsylvania) Bushings, Floating rod, Finishing.   | 206* 127* 206* 84 205* 111* 68* 456* 39* 163 82* 130* 407* 156 29* 337* 301* 16§               |
| American Society of Mechanical Engineers Counterbalancing, Locomotive, by Lawford H. Fry   | 2518<br>50*<br>400*<br>399*<br>4*<br>84<br>208*<br>238<br>26*<br>63<br>94<br>96<br>129<br>129                             | Baldwin power reverse gears. Baltimore & Ohio, Water-tube firebox boilers (Mech. Div.) Barthelemy, P. P. Air hoist for handling car wheels. Axle protector Split and cotter keys. Bearing, Side, Shock absorbing, Railway Products Co. Bearings, Car Journal, Reconditioning, by J. W. Lemon. Bearings, Roller Applications of For locomotive rods. by P. G. Withrow. For locomotives (Mech. Div.) SKF, for main and side rods on D. & H. locomotives, by B. W. Tavlor. Beck, C. E., Diesel engines for locomotives and cars Belt Ry. Chicago, 600-hp. Diesel-electric switchers Bethlehem auxiliary locomotive (L. V.) Bins, Material, at lathes. Blacksmiths' Assn. convention. Boilers, High pressure (Mech. Div.). Boilers, Locomotive, Making front rings and doors for (Ill. Cen.). Bolster end plate repairs (C. R. I. & P.). Books Air Conditioning, by James A. Moyer and Raymond U. Fitts   | 327* 221 335* 372* 58* 287* 24* 291\$ 370\$ 224 277* 156 347* 288* 1332† 382† 221 417* 260*                 | Bridgeport Safety Emery Wheel Co., Abrasive cut-off machine.  Buckeye Portable Tool Co. Polishing and sanding tool. Shockless nut runner  Budgeting locomotive department expenditures, by J. A. Anderson  Buffalo Forge Co., 16-in. ball-bearing drill press  Buffer, Radial, with friction compression resistance, Franklin Railway Supply Co  Bullard Co. Lathe, Hydro-shift vertical turret Mult-Au-Matics, Type J Bureau of Locomotive Inspection report. 168, Bureau of Safety, Work of the. Burgess mufflers on Railplane  Burner, Internal, for making large pipe bends (C. M. St. P. & P.).  Burney, I. T., Lubrication of railroad car journals  Busch-Sulzer Bros. Diesel Engine Co., Diesel engines (Western Ry. Club)  Bushings, Floating, in link trunnions (Maryland & Pennsylvania).  Bushings, Red, Machining.  Bushings, Poins and, Ex-Cell-O Aircraft & Tool Corp.  Business, Fighting to get back  C  Canadian National Boilers, Radial-stay firebox (Mech. Div.)   | 206* 127* 206* 84 205* 111* 68* 456* 39* 163 39* 163 39* 165 29* 191* 16\$                     |
| American Society of Mechanical Engineers Counterbalancing, Locomotive, by Law- ford H. Fry   | 2518<br>50*<br>400*<br>399*<br>4*<br>84<br>208*<br>238<br>26*<br>63<br>94<br>96<br>129<br>129                             | Baldwin power reverse gears. Baltimore & Ohio, Water-tube firebox boilers (Mech. Div.) Barthelemy, P. P. Air hoist for handling car wheels. Axle protector Split and cotter keys. Bearing, Side, Shock absorbing, Railway Products Co. Bearings, Car Journal, Reconditioning, by J. W. Lemon. Bearings, Roller Applications of For locomotive rods, by P. G. Withrow. For locomotives (Mech. Div.) SKF, for main and side rods on D. & H. locomotives, by B. W. Tavlor. Beck, C. E., Diesel engines for locomotives and cars Belt Ry. Chicago, 600-bp. Diesel-electric switchers Bethlehem auxiliary locomotive (L. V.). Bins, Material, at lathes. Blacksmiths' Assn. convention. Boilers, High pressure (Mech. Div.). Boilers, Locomotive, Making front rings and doors for (Ill. Cen.). Bolster end plate repairs (C. R. I. & P.). Books Air Conditioning, by James A. Moyer and Raymond U. Fitts. A. S. M. E. Power Boiler Code. Arc Welding Handbook, by C. J. Hol- Book of Stainless Steels. Cost and Production Handbook, by L. P. Alford  | 327* 221 335* 372* 58* 287* 24* 291\$ 370\$ 224 277* 156 347* 288* 1332† 382† 221 417* 260*                 | Bridgeport Safety Emery Wheel Co., Abrasive cut-off machine.  Buckeye Portable Tool Co. Polishing and sanding tool. Shockless nut runner  Budgeting locomotive department expenditures, by J. A. Anderson  Buffalo Forge Co., 16-in. ball-bearing drill press Buffer, Radial, with friction compression resistance, Franklin Railway Supply Co  Bullard Co. Lathe, Hydro-shift vertical turret Mult-Au-Matics, Type J  Bureau of Locomotive Inspection report. 16%, Bureau of Safety, Work of the Burner, Internal, for making large pipe bends (C. M. St. P. & P.)  Burney, I. T., Lubrication of railroad car journals Busch-Sulzer Bros. Diesel Engine Co., Diesel envines (Western Ry. Club)  Bushings, Floating, in link trunnions (Maryland & Pennsylvania).  Bushings, Red, Machining Bushings, Rod, Machining Bushings, Pins and, Ex-Cell-O Aircraft & Tool Corp.  Business, Fighting to get back  CC  Canadian National Boilers, Radial-stay firebox (Mech. Div.) Pistons, Light-weight (Mech. Div.) Shops, Locomotive repair, and modern  | 206* 127* 206* 84 205* 111* 68* 456* 39* 163 30* 407* 156 29* 191* 16\$ 221 223*               |
| American Society of Mechanical Engineers Counterbalancing, Locomotive, by Lawford H. Fry   | 2518<br>50*<br>400*<br>399*<br>4*<br>84<br>208*<br>238<br>26*<br>63<br>94<br>96<br>129<br>129<br>167<br>168<br>168        | Baldwin power reverse gears. Baltimore & Ohio, Water-tube firebox boilers (Mech. Div.)  Barthelemy, P. P. Air hoist for handling car wheels. Axle protector Split and cotter keys.  Bearing, Side, Shock absorbing, Railway Products Co. Bearings, Car Journal, Reconditioning, by J. W. Lemon. Bearings, Roller Applications of For locomotive rods, by P. G. Withrow. For locomotives (Mech. Div.) SKF, for main and side rods on D. & H. locomotives, by B. W. Tavlor. Beck, C. E., Diesel engines for locomotives and cars Belt Ry. Chicago, 600-hp. Diesel-electric switchers Bethlehem auxiliary locomotive (L. V.). Bins, Material, at lathes. Blacksmiths' Assn. convention. Boilers, High pressure (Mech. Div.) Boilers, Locomotive, Making front rings and doors for (Ill. Cen.). Bolster end plate repairs (C. R. I. & P.). Books Air Conditioning, by James A. Moyer and Raymond U. Fitts. A. S. M. E. Power Boiler Code. Arc Welding Handbook, by C. J. Hol- slag Book of Stainless Steels. Cost and Production Handbook, by L. P. Alford Diesel Engineering, Handbook.  | 327* 221 335* 372* 287* 24* 291\$ 3704 227* 156 347* 288* 133* 382† 221 417* 260*                           | Bridgeport Safety Emery Wheel Co., Abrasive cut-off machine.  Buckeye Portable Tool Co. Polishing and sanding tool. Shockless nut runner  Budgeting locomotive department expenditures, by J. A. Anderson  Buffalo Forge Co., 16-in. ball-bearing drill press Buffer, Radial, with friction compression resistance, Franklin Railway Supply Co  Bullard Co. Lathe, Hydro-shift vertical turret Mult-Au-Matics, Type J  Bureau of Locomotive Inspection report. 16%, Bureau of Safety, Work of the Burner, Internal, for making large pipe bends (C. M. St. P. & P.)  Burney, I. T., Lubrication of railroad car journals Busch-Sulzer Bros. Diesel Engine Co., Diesel envines (Western Ry. Club)  Bushings, Floating, in link trunnions (Maryland & Pennsylvania).  Bushings, Red, Machining Bushings, Rod, Machining Bushings, Pins and, Ex-Cell-O Aircraft & Tool Corp.  Business, Fighting to get back  CC  Canadian National Boilers, Radial-stay firebox (Mech. Div.) Pistons, Light-weight (Mech. Div.) Shops, Locomotive repair, and modern  | 206* 127* 206* 84 205* 111* 68* 456* 39* 163 39* 163 39* 165 29* 191* 16\$                     |
| American Society of Mechanical Engineers Counterbalancing, Locomotive, by Lawford H. Fry   | 2518<br>50*<br>400*<br>399*<br>4*<br>84<br>208*<br>238<br>26*<br>63<br>94<br>96<br>129<br>129<br>167<br>168               | Baldwin power reverse gears. Baltimore & Ohio, Water-tube firebox boilers (Mech. Div.)  Barthelemy, P. P. Air hoist for handling car wheels. Axle protector Split and cotter keys.  Bearing, Side, Shock absorbing, Railway Products Co. Bearings, Car Journal, Reconditioning, by J. W. Lemon. Bearings, Roller Applications of For locomotive rods, by P. G. Withrow. For locomotives (Mech. Div.) SKF, for main and side rods on D. & H. locomotives, by B. W. Tavlor. Beck, C. E., Diesel engines for locomotives and cars Belt Ry. Chicago, 600-hp. Diesel-electric switchers Bethlehem auxiliary locomotive (L. V.). Bins, Material, at lathes. Blacksmiths' Assn. convention. Boilers, High pressure (Mech. Div.) Boilers, Locomotive, Making front rings and doors for (Ill. Cen.). Bolster end plate repairs (C. R. I. & P.). Books Air Conditioning, by James A. Moyer and Raymond U. Fitts. A. S. M. E. Power Boiler Code. Arc Welding Handbook, by C. J. Hol- slag Book of Stainless Steels. Cost and Production Handbook, by L. P. Alford Diesel Engineering, Handbook.  | 327* 221 335* 372* 58* 287* 24* 291\$ 370\$ 224 277* 156 347* 288* 133* 382† 382† 221 417* 260* 56 18 56 18 | Bridgeport Safety Emery Wheel Co., Abrasive cut-off machine.  Buckeye Portable Tool Co. Polishing and sanding tool. Shockless nut runner  Budgeting locomotive department expenditures, by J. A. Anderson  Buffalo Forge Co., 16-in. ball-bearing drill press Buffer, Radial, with friction compression resistance, Franklin Railway Supply Co Bullard Co. Lathe, Hydro-shift vertical turret. Mult-Au-Matics, Type J  Bureau of Locomotive Inspection report. 16%, Bureau of Safety, Work of the Burner, Internal, for making large pipe bends (C. M. St. P. & P.).  Burney, I. T., Lubrication of railroad car journals Busch-Sulzer Bros. Diesel Engine Co., Diesel envines (Western Ry. Club) Bushings, Floating, in link trunnions (Maryland & Pennsylvania) Bushings, Floating, in link trunnions (Maryland & Pennsylvania) Bushings, Pod. Machining Bushings, Pod. Machining Bushings, Pins and, Ex-Cell-O Aircraft & Tool Corp. Business, Fighting to get back  CC  Canadian National Boilers, Radial-stay firebox (Mech. Div.) Pistons, Light-weight (Mech. Div.) Shops, Locomotive repair, and modern locomotive, by John Roberts.  | 206* 127* 206* 84 205* 111* 68* 456* 39* 163 32* 130* 407* 156 29* 191* 337* 301* 16\$         |
| American Society of Mechanical Engineers Counterbalancing, Locomotive, by Lawford H. Fry   | 2518<br>50*<br>400*<br>399*<br>4*<br>84<br>208*<br>238<br>26*<br>63<br>94<br>96<br>129<br>129<br>167<br>168<br>168        | Baldwin power reverse gears. Baltimore & Ohio, Water-tube firebox boilers (Mech. Div.)  Barthelemy, P. P. Air hoist for handling car wheels. Axle protector Split and cotter keys.  Bearing, Side, Shock absorbing, Railway Products Co. Bearings, Car Journal, Reconditioning, by J. W. Lemon. Bearings, Roller Applications of For locomotive rods, by P. G. Withrow. For locomotives (Mech. Div.) SKF, for main and side rods on D. & H. locomotives, by B. W. Tavlor. Beck, C. E., Diesel engines for locomotives and cars Belt Ry. Chicago, 600-hp. Diesel-electric switchers Bethlehem auxiliary locomotive (L. V.) Bins, Material, at lathes. Blacksmiths' Assn. convention. Boilers High pressure (Mech. Div.) Boilers, Locomotive, Making front rings and doors for (Ill. Cen.). Bolster end plate repairs (C. R. I. & P.) Books Air Conditioning, by James A. Moyer and Raymond U. Fitts A. S. M. E. Power Boiler Code. Arc Welding Handbook, by C. J. Hol- slag Book of Stainless Steels. Cost and Production Handbook, by L. P. Alford Diesel Engineering Handbook. 404, Introduction to Railway Mechanics, by George V. Lomonossoff Mechanical World Year Brock. | 327* 221 335* 372* 58* 287* 24* 291\$ 370\$ 224 277* 156 347* 288* 1332† 382† 221 417* 260*                 | Bridgeport Safety Emery Wheel Co., Abrasive cut-off machine.  Buckeye Portable Tool Co. Polishing and sanding tool. Shockless nut runner  Budgeting locomotive department expenditures, by J. A. Anderson.  Buffalo Forge Co., 16-in. ball-bearing drill press  Buffer, Radial, with friction compression resistance, Franklin Railway Supply Co  Bullard Co. Lathe, Hydro-shift vertical turret. Mult-Au-Matics, Type J  Bureau of Locomotive Inspection report. 168, Bureau of Safety, Work of the.  Burner, Internal, for making large pipe bends (C. M. St. P. & P.).  Burney, I. T., Lubrication of railroad car journals  Busch-Sulzer Bros-Diesel Engine Co., Diesel engines (Western Ry. Club).  Bushings, Floating, in link trunnions (Maryland & Pennsylvania)  Bushings, Floating rod, Finishing.  CC  Canadian National  Boilers, Radial-stay firebox (Mech. Div.).  Shops, Locomotive repair, and modern locomotive, by John Roberts.  Canadian Pacific, Multiple-pressure locomotives (Mech. Div.). | 206* 127* 206* 84 205* 111* 68* 456* 39* 163 30* 407* 156 29* 191* 16\$ 221 223*               |
| American Society of Mechanical Engineers Counterbalancing, Locomotive, by Lawford H. Fry   | 2518<br>50*<br>400*<br>399*<br>4*<br>84<br>208*<br>238<br>26*<br>63<br>94<br>96<br>129<br>129<br>167<br>168<br>168<br>257 | Baldwin power reverse gears. Baltimore & Ohio, Water-tube firebox boilers (Mech. Div.) Barthelemy, P. P. Air hoist for handling car wheels. Axle protector Split and cotter keys. Bearing, Side, Shock absorbing, Railway Products Co. Bearings, Car Journal, Reconditioning, by J. W. Lemon. Bearings, Roller Applications of For locomotive rods, by P. G. Withrow. For locomotives (Mech. Div.) SKF, for main and side rods on D. & H. locomotives, by B. W. Tavlor. Beck, C. E., Diesel engines for locomotives and cars Belt Ry. Chicago, 600-bp. Diesel-electric switchers Bethlehem auxiliary locomotive (L. V.). Bins, Material, at lathes. Blacksmiths' Assn. convention. Boilers, High pressure (Mech. Div.). Boilers, Locomotive, Making front rings and doors for (Ill. Cen.). Bolster end plate repairs (C. R. I. & P.). Books Air Conditioning, by James A. Moyer and Raymond U. Fitts. A. S. M. E. Power Boiler Code. Arc Welding Handbook, by C. J. Hol- Book of Stainless Steels. Cost and Production Handbook, by L. P. Alford  | 327* 221 335* 372* 58* 287* 24* 2918 3701 224 277* 156 347* 288* 133* 382† 221 417* 260* 56 18 56 461 18    | Bridgeport Safety Emery Wheel Co., Abrasive cut-off machine.  Buckeye Portable Tool Co. Polishing and sanding tool. Shockless nut runner  Budgeting locomotive department expenditures, by J. A. Anderson  Buffalo Forge Co., 16-in. ball-bearing drill press  Buffer, Radial, with friction compression resistance, Franklin Railway Supply Co  Bullard Co. Lathe, Hydro-shift vertical turret Mult-Au-Matics, Type J. Bureau of Locomotive Inspection report. 168, Bureau of Safety, Work of the. Burgess mufflers on Railplane  Burner, Internal, for making large pipe bends (C. M. St. P. & P.).  Burney, I. T., Lubrication of railroad car journals  Busch-Sulzer Bros. Diesel Engine Co., Diesel envines (Western Ry. Club)  Bushings, Floating, in link trunnions (Maryland & Pennsylvania).  Bushings, Red, Machining.  Bushings, Poin Andshining.  Bushings, Pins and, Ex-Cell-O Aircraft & Tool Corp.  Business, Fighting to get back  C  Canadian National Boilers, Radial-stay firebox (Mech. Div.) Pistons, Light-weight (Mech. Div.) Shops, Locomotive repair, and modern locomotive, by John Roberts  Canadian Pacific, Multiple-pressure locomotives (Mech. Div.)   | 206* 127* 206* 84 205* 111* 68* 456* 39* 163 82* 407* 156 29* 191* 337* 301* 16\$              |

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| United States Metallic Packing Co.  King packing for reverse-gears. 287* McLain locomotive cylinder cock. 399* United States Plywood Co., Metal-covered plywood. Universal Draft Gear Attachment Co., Axle protector University of Illinois, Friction of brake shoes. 114*  Valves  A. R. A. standard, Walworth Co. 53* Air-brake, Lapping machine for, National Air Brake Service, Inc. 165* Oxygen tank, Air Reduction Sales Co. 920* Plug-type renewable-seat, Lunkenheimer Co. 134* Safety (Mech. Div.) 222 Steam throttle, for air compressors, New York Air Brake Co. 126* N |   |
| United States Metallic Packing Co.  King packing for reverse-gears   |   |
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| United States Metallic Packing Co.  King packing for reverse-gears   |   |
| United States Metallic Packing Co.  King packing for reverse-gears.  McLain locomotive cylinder cock.  United States Plywood Co., Metal-covered plywood.  Universal Draft Gear Attachment Co., Axle protector  University of Illinois, Friction of brake shoes  Valves  A. R. A. standard, Walworth Co  Air-brake, Lapping machine for, National Air Brake Service, Inc  Oxygen tank, Air Reduction Sales Co.  Safety (Mech. Div.)  Safety (Mech. Div.)  Steam throttle, for air compressors, New York Air Brake Co  New York Air Brake Co  Ventilation (see Air-Conditioning)  Vise stand (C. & N. W.)  Vise stand (C. & N. W.)  Vise stand (C. & N. W.)  Turk  Tay  Tay  for high-speed trains  437  for high-speed trains  437  For high-speed trains  437  For high-speed trains  437  Gate City Iron Works  General Electric Co.  General Refractories Co.  Geis-logality (Pich. Div.)  Air Reduction Sales Co.  13808  Alin-brake, Lapping mac             |   |
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| United States Metallic Packing Co.  King packing for reverse-gears.  King packing for reverse-gears.  Sing packing for a fire conditioning state for a conditioni |   |
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| Republic Steel Corp.  138, 263, 305, 385, Ressler, Harold B. Rogers, Robert Ross & White Co. Rowe, Lawrence A. Russell, Burdsall & Ward Bolt & Nut Co. Russell, Harold S. Ryerson, Jos. T., & Son 35, Safety Car Heating & Lighting Co 139, Sawyer, Willits H. Schaefer Equipment Co. Schaefer, F. E. Scullin Steel Co. Seeburger, F. F. Sellers Mfg. Co. Seever, L. G. Shick, F. A. Shick, F. A. Shick, F. A. Shick, F. A. Shine, Louis M. Shippers' Car Line Corp. Sinkler, Joseph S. K. F. Industries, Inc. Small, Walter J. Smith, Arthur H 213*, Smith, Arthur H 213*, Smith, Harold Smith, Lon R. Smith, Stanley H. Socony-Vacuum Oil Co. Spain, Batt L.   | 463<br>104<br>423<br>138<br>422<br>139<br>138<br>104<br>263<br>138<br>263<br>138<br>263<br>138<br>263<br>1423<br>173<br>463<br>423<br>173<br>463<br>423<br>173<br>423<br>173<br>423<br>173<br>423<br>173<br>173<br>173<br>173<br>173<br>173<br>173<br>173<br>173<br>17                           | PERSONAL MENTION  Adams, George E. Anderson, T. E. Barry, R. J. Bell, Townsend J. Berry, L. E. Bingman, A. D. Boardman, F. W. Boggs, W. L. Bohacek, J. A. Brenchley, N. Briton, E. R. Brockman, M. R. Brodbeck, Frank Brossart, J. A. Brown, A. L. Brown, A. L. Brown, A. L. Brown, R. M. Budwell, Walter Burdell, L. D. Burgess, E. H. Burton, F. V. Butts, F. R. Buuck, G. L.   | 38<br>346<br>464<br>386<br>266<br>266<br>266<br>424<br>178<br>464<br>178<br>178<br>266<br>214<br>306   | Parsons, C. F. Perry, D. T. Petterson, Albin C. Pettrey, C. M. Prendergast, J. J. 178, 305,  Quinn, M. A.  Raidy, H. W. Ralston, A. L. Rambo, J. B. Richards, E. C. Routon, A. Rugg, B. F.  Sadle, S. M. Say, A. L. Schrank, E. A. Sedlacek, E. J. Seidel, G. C. Senger, J. W. Sheban, J. D. Shults, L. C. Smith, Richard Smith, S. C. Snyder, Austin R. Stewart, M. D.  | 346<br>266<br>178<br>464<br>346<br>386<br>266<br>305<br>315<br>266<br>266<br>266<br>266<br>266<br>266<br>266<br>277<br>178<br>266<br>266<br>277<br>278<br>278<br>278<br>278<br>278<br>278<br>278<br>278<br>278   |
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| Republic Steel Corp.  Ressler, Harold B.  Rosgers, Robert  Ross & White Co.  Rowe, Lawrence A.  Russell, Burdsall & Ward Bolt & Nut Co.  Russell, Harold S.  Ryerson, Jos. T., & Son 35,  Safety Car Heating & Lighting Co 139,  Sawyer, Willits H.  Schaefer Equipment Co.  Schaefer, F. E.  Scullin Steel Co.  Seeburger, F. F.  Sellers Mfg. Co.  Seever, L. G.  Sheen, C. L.  Shick, F. A.  Shine, Louis M.  Shippers' Car Line Corp.  Sinkler, Joseph  S. K. F. Industries, Inc.  Small, Walter J.  Smith, Arthur H  Smith, Harold  Smith, Lon R.  Smith, Stanley H.  Scoony-Vacuum Oil Co.  Spain, Batt L.  Standard Car Truck Co.  Standard Co. Indiana  Standard Steel Car Corp.   | 463<br>104<br>423<br>138<br>422<br>139<br>138<br>104<br>345<br>263<br>73<br>423<br>263<br>173<br>463<br>423<br>128<br>423<br>128<br>423<br>128<br>128<br>128<br>128<br>128<br>128<br>128<br>128<br>128<br>128  | PERSONAL MENTION  Adams, George E. Anderson, T. E. Barry, R. J. Bell, Townsend J. Berry, L. E. Bingman, A. D. Boardman, F. W. Boggs, W. L. Bohacek, J. A. Brenchley, N. Briton, E. R. Brodbeck, Frank Brodbeck, Frank Brown, A. L. Brown, A. L. Brown, R. M. Brown, R. M. Brown, R. M. Budwell, Walter Burdell, L. D. Burgess, E. H. Burton, F. V. Butts, F. R. Buuck, G. L. Calkins, A. E. Callender, G. T. Camp, C. B. Cartwright, George B. Chase, D. K. 265, Cherry W. V. 265, Cherry W. V. 265, Cherry W. V. 265, Cherry W. V. Sent Sent Sent Sent Sent Sent Sent Sent   | 38<br>346<br>464<br>386<br>266<br>266<br>266<br>266<br>306<br>424<br>178<br>464<br>178<br>178<br>178<br>386<br>214<br>306<br>214<br>306<br>214<br>306<br>214<br>306<br>214<br>306<br>214<br>306<br>214<br>306<br>214<br>306<br>216<br>216<br>216<br>216<br>216<br>216<br>216<br>216<br>216<br>21   | Parsons, C. F. Perry, D. T. Petterson, Albin C. Pettrey, C. M. Prendergast, J. J. 178, 305,  Quinn, M. A.  Raidy, H. W. Ralston, A. L. Rambo, J. B. Richards, E. C. Routon, A. Rugg, B. F.  Sadle, S. M. Say, A. L. Schrank, E. A. Sedlacek, E. J. Seidel, G. C. Senger, J. W. Sheeban, J. D. Shults, L. C. Smith, Richard Smith, S. C. Snyder, Austin R. Stewart, M. D. Swanson, C. R. Swenery, U. L.  Tapomeson, D. R.   | 346<br>266<br>178<br>346<br>346<br>346<br>386<br>266<br>266<br>266<br>266<br>266<br>277<br>178<br>265<br>305<br>266<br>266<br>214<br>266<br>177<br>178<br>265<br>305<br>214<br>266<br>178<br>178<br>266<br>178<br>178<br>266<br>266<br>266<br>266<br>266<br>278<br>278<br>278<br>278<br>278<br>278<br>278<br>278<br>278<br>278   |
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